WHAT IS CLAIMED IS:

1   1.   A method of rescoring the results of automatic speech recognition,

2   comprising:

3   generating lattices for a speech utterances;

4   concatenating the lattices into a single concatenated lattice; and

5   applying at least one language model to the single concatenated lattice in

6   order to determine relationships between the lattices.

7   2.   The method of rescoring the results of automatic speech recognition

8   according to claim 1, further comprising generating a confidence score after applying the

9   at least one speech recognition model to determined whether the generated lattices are

10 acceptable.

11   3.   The method of rescoring the results of automatic speech recognition

12 according to claim 2, wherein the confidence score is compared to a predetermined value

13 in order to determine whether to perform the automatic speech recognition process again.

14   4.   The method of rescoring the results of automatic speech recognition

15 according to claim 3, wherein the automatic speech recognition process is performed

16 again if the confidence score is less than the predetermined value.

17   5.   The method of rescoring the results of automatic speech recognition

18 according to claim 1, wherein the rescoring is performed after a speech recognition model

19 has been compensated to reflect acoustic environmental data and transducer data.

20   6.   The method of rescoring the results of automatic speech recognition

21 according to claim 1, wherein the rescoring the automatic speech recognition is used in a

22 mobile communications system.

23   7.   The method of rescoring the results of automatic speech recognition

24 according to claim 1, wherein the rescoring the automatic speech recognition is used in a

25 satellite communications system.

26   8.   A rescoring process used in the automatic speech recognition system,

27 comprising:

28   a speech recognizer that generates lattices by using at least one speech

29 recognition model; and

30   a controller that concatenates the lattices into a single concatenated lattice,

31 and applies the at least one language model to the single concatenated lattice.

32   9.   The rescoring process used in the automatic speech recognition system

33   according to claim 8, wherein the speech utterances are received from a mobile device.

1   10.   The rescoring process used in an automatic speech recognition system

2   according to claim 8, wherein the speech utterances are received from a personal digital

3   assistant.

1   11.   The rescoring process used in an automatic speech recognition system

2   according to claim 8, wherein the rescoring process used in the automatic speech

3   recognition is used in a satellite communications system.

1   12.   The rescoring process used in an automatic speech recognition system

2   according to claim 8, wherein the speech recognition model is a hidden Markov model.

1   13.   The rescoring process used in an automatic speech recognition system

2   according to claim 8, wherein the controller is a network server.

1   14.   A controller used for rescoring results of an automatic speech recognition

2   system, comprising:

3   a first section that generates lattices of speech utterances;

4   a second section that concatenates the lattices of the speech utterances into

5   a single concatenated lattice; and

6   a third section that applies at least one language model to the single

7   concatenated lattice.

1   15.   The controller used for the rescoring results of the automatic speech

2   recognition system according to claim 14, the controller further comprising a fourth

3   section that determines whether an automatic speech recognition process should be

4   performed again.

5   16.   The controller used for the rescoring results of the automatic speech

6   recognition system according to claim 14, wherein the controller is a network server used

7   in a mobile communications system.

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